

Appl. No. : 10/629,210
Filed : July 28, 2003

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings of claims in this application. Added matter is indicated by underlining and deleted matter is indicated by strikethroughs or double brackets ([[]]).

1. (Cancelled)
2. (Previously Presented) An intraocular lens according to claim 45, wherein the supplemental intraocular lens is configured to enhance the vision correction provided by the primary intraocular lens.
3. (Previously Presented) The intraocular lens according to claim 45, wherein the supplemental intraocular lens comprises a resiliently bendable lens.
4. (Cancelled)
5. (Previously Presented) The intraocular lens according to claim 45, wherein the supplemental intraocular lens has a thickness in the range of about 10 μ m to about 300 μ m.
6. (Cancelled)
7. (Previously Presented) The intraocular lens according to claim 45, wherein the supplemental intraocular lens is anteriorly vaulted with respect to the primary intraocular lens.
8. (Previously Presented) The intraocular lens according to claim 45, wherein the supplemental intraocular lens is operatively coupled to the primary intraocular lens.
- 9-11. (Cancelled)
12. (Previously Presented) The intraocular lens according to claim 45, wherein the supplemental intraocular lens includes a blue blocker.
13. (Previously Presented) The intraocular lens according to claim 45, wherein the supplemental intraocular lens is multifocal.
14. (Previously Presented) The intraocular lens according to claim 45, wherein the supplemental intraocular lens is toric.
- 15-32. (Cancelled)
33. (Previously Presented) The intraocular lens according to claim 45, wherein the diffractive optic comprises a plurality of echelettes having a predetermined depth that is on the order of a wavelength.

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34-35. (Cancelled)

36. (Previously Presented) The intraocular lens according to claim 45, wherein the diffractive optic comprises a first-order diffraction profile.

37. (Previously Presented) The intraocular lens according to claim 45, wherein the diffractive optic comprises a multi-order diffraction profile.

38-40. (Cancelled)

41. (Previously Presented) The intraocular lens according to claim 45, wherein the power of the supplemental intraocular lens being determined by the diffractive effects thereof and is substantially independent of the thickness thereof.

42. (Previously Presented) The intraocular lens according to claim 45, wherein the supplemental intraocular lens is configured to be implanted in a subsequent surgical procedure.

43-44 (Cancelled)

45. (Currently Amended) An intraocular lens for insertion into an eye, comprising:
a primary intraocular lens having vision correcting power when placed into an eye of a patient; and

a supplemental intraocular lens having a power in the range of about -6 to +6 Diopters that modifies the vision correcting power of the primary intraocular lens when in the eye and that comprises a substantially completely diffractive optic that does not provide bifocal or multifocal vision correction, the diffractive optic being disposed separately from the primary intraocular lens, the supplemental intraocular lens being positively powered or negatively powered, depending on whether the vision correcting power is insufficient or excessive, respectively.

46. (Previously Presented) The intraocular lens according to claim 45, wherein the supplemental intraocular lens comprises a blazed profile disposed on a substrate that is planar or curved.

47. (Currently Amended) The intraocular lens according to claim 45, wherein the supplemental intraocular lens is positively powered or negatively powered, depending on whether the vision correcting power is insufficient or excessive, respectively.

48-51. (Cancelled)

52. (New) An intraocular lens for insertion into an eye, comprising:

a primary intraocular lens having vision correcting power when placed into an eye of a patient; and

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a supplemental intraocular lens having a power in the range of about -6 to +6 Diopters that modifies the vision correcting power of the primary intraocular lens when in the eye and that comprises a diffractive optic that does not provide bifocal or multifocal vision correction, the primary intraocular lens and the supplemental intraocular lens being attached to one another.

53. (New) The intraocular lens according to claim 52, wherein the diffractive optic is made of a material having a refractive index, the power of the supplemental intraocular lens is independent of a refractive index of the material.

54. (New) The intraocular lens according to claim 45, wherein the diffractive optic is made of a material having a refractive index, the power of the supplemental intraocular lens is independent of a refractive index of the material.

55. (New) An intraocular lens for insertion into an eye, comprising:
a primary intraocular lens having vision correcting power when placed into an eye of a patient; and

a supplemental intraocular lens that modifies the vision correcting power of the primary intraocular lens when in the eye, the supplemental intraocular lens comprising a diffractive optic providing monofocal vision correction and having a power in the range of about -6 to +6 Diopters.